

<b>QUERY CONTROL FORM</b>		<b>RTIS USE ONLY</b>	
Application No.	<u>10/005,279</u>	Prepared by	<u>Lois Stone</u>
Examiner-GAU	<u>Heinrich - 1725</u>	Date	<u>8/25/04</u>
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		IFW - Unkar	

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|----------------------|------------------------|--------------------|----------------|
| a. Serial No.        | f. Foreign Priority    | k. Print Claim(s)  | p. PTO-1449    |
| b. Applicant(s)      | g. Disclaimer          | l. Print Fig.      | q. PTOL-85b    |
| c. Continuing Data   | h. Microfiche Appendix | m. Searched Column | r. Abstract    |
| d. PCT               | i. Title               | n. PTO-270/328     | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed      | o. PTO-892         | t. Other       |

<b>SPECIFICATION</b>	<b>MESSAGE</b>
	Original claim 66 is missing from the claims dated 6/4/2002. Please advise.
<b>CLAIMS</b>	<b>RESPONSE</b>
	initials <u>LS</u>
<b>RESPONSE</b>	initials <u>LS</u>

Art Unit: 1764



62. The gasifier according to claim 60, wherein the injection ports are configured to control the steam to oxygen ratio within the gasifier.

63. The gasifier according to claim 60, wherein the injection ports are configured to control the hydrogen to carbon monoxide ratio within the gasifier.

64. The gasifier according to claim 60, wherein the injection ports are configured to control the amount of oxygen, steam, or air in different sections of the gasifier to promote a partial water gas shift reaction.

65. The gasifier according to claim 64, wherein the injection ports are configured to control the amount of oxygen, steam, or air in different sections of the gasifier to control the temperature and to promote a methanation reaction.



67. The gasifier according to claim 51, further comprising a plurality of pulsating jets disposed about the lower fixed bed section which agitate coarse fuel or ash within the fixed bed section.

68. The gasifier according to claim 67, wherein the pulsating jets inject pressurized gas pulses.

69. The gasifier according to claim 68, wherein the gas pulses comprise pulses of air, oxygen, steam, carbon dioxide, gaseous fuel, or recycled effluent gas.

73. The method of gasifying carbonaceous fuel according to claim 70, wherein the amount of oxygen, steam, or air introduced into the fixed bed gasification section is varied to promote a partial water gas shift reaction.

74. The method of gasifying carbonaceous fuel according to claim 73, wherein the amount of oxygen, steam, or air introduced into the fixed bed gasification section is varied to control the temperature and to promote a methanation reaction.

Note: Found claim 75 in claims dated 12/4/2001